

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008127**Date Inspected:** 04-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Du Zhi Gun, Guo Peng**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Utekar Shrikant was present during the times noted above for observations relative to the work being performed.

BAY#10

This QA Inspector randomly observed the following work in progress

SAW welding process of weld joint 81B located on PCMK NSTL3-3B/K. Welder is identified as 052917 ZPMC QC is identified as Wang Hao. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-C-U2B-S-2.

SAW welding process of weld joint 81B located on PCMK NSTL3-3B/K. Welders are identified as 040489 ZPMC QC is identified as Wang Hao. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-C-U2B-S-2.

FCAW welding process of weld joint 82B located on PCMK SSTL3-1B/K. Welders are identified as 053116 ZPMC QC is identified as Deng Zhin Bing. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-C-U2-F.

FCAW welding process of weld joint 05 located on PCMK NSD1-FCSA4-1B/C. Welders are identified as 057266 ZPMC QC is identified as Du Zhi Gun. The welding variables recorded by QC appeared to comply with

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the WPS-B-T-2331-TC-P5-F.

FCAW welding process of weld joint 19 located on PCMK NSD1-FCSA4-1B/C. Welders are identified as 201825 ZPMC QC is identified as Du Zhi Gun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2331-TC-P5-F.

FCAW welding process of weld joint 06 located on PCMK NSD1-FCSA4-1B/C. Welders are identified as 057244 ZPMC QC is identified as Du Zhi Gun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2331-TC-P5-F.

FCAW welding process of weld joint 20 located on PCMK NSD1-FCSA4-1B/C. Welders are identified as 054069 ZPMC QC is identified as Du Zhi Gun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2331-TC-P5-F.

BAY#11

SAW welding process of weld joint 84B located on PCMK WSTL3-4B/K. Welders are identified as 041716 ZPMC QC is identified as Ma Qian Li. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-C-U2B-S.

SAW welding process of weld joint 84B located on PCMK WSTL3-4B/K. Welders are identified as 040699 ZPMC QC is identified as Ma Qian Li. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-C-U2B-S.

Unless otherwise noted, all work observed on this dated appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod 13482570045, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Utekar,Shrikant	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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